

INDUSTRIAL COMPONENT DATA

NX-TS3102 NX020054B NXTS3102 OMRON Unit NX 4 Inputs Temperature Sensor, K, J, T, E, L, U, N, R, S, WRe5-26, ..

Brand: OMRON | Manufacturer Part Number: NX-TS3102



Manufacturer	OMRON
MPN / Reference	NX-TS3102
Catalog number	NXTS3102
Category	Fieldbus, decentr. periphery - analogue I/O module
Minimum order	1 Pcs
Document ID	EO-AFFFD99537
Generated	2026-08-03

Product Overview

Unit NX - 4 Inputs Temperature Sensor, K, J, T, E, L, U, N, R, S, WRe5-26, PLII, resolution 0.01°C max., 10 ms/Unit
4 Thermocouple Inputs, type K, J, T, E, L, U, N, R, S, B, C (W/Re5-26), P (PLII), resolution 0.01°C, 10 ms/Unit, screwless push-in connectors, 24 mm w

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path	OMRON > Integrated Automation > Machine I/O NX-series
--------------	---

Additional Product Information

I/O systemNX I/O BusType of moduleAnalog I/ONumber of analog inputs4Temperature input typeB, C (WRe5-26), E, J, K, L, N, P (PLII), R, S, T, ULinear analog input typeNoneResolution of the analog inputs17 BitInput circuit typeDifferentialNumber of analog outputs0Linear analog output typeNoneResolution of the analog outputs0 BitConversion time10 ms/unitSignal processingFree runningI/O-Link masterI/O connection typePush-inNumber of I/O connectors2Detachable I/O connectorSuitable for safety functionsSIL according to IEC 61508NoneDegree of protection (IP)IP20Product Height (unpacked)100 mmProduct Width (unpacked)24 mmProduct Depth (unpacked)80 mmProduct Weight (unpacked)140 g
ETIM for 380135 PLC's (EC001596)
Feature Name
Feature Value
Degree of protection (NEMA) (EF011959)
Other
Degree of protection (IP) (EF005474)

IP20
Performance level according to EN ISO 13849-1 (EF007399)
Level a
SIL according to IEC 61508 (EF009889)
None
Voltage type (supply voltage) (EF002991)
DC
Explosion safety category for gas (EF003997)
None
Explosion safety category for dust (EF003998)
None
Type of electric connection (EF003961)
Spring clamp connection
Output, current (EF003212)
No
Radio standard UMTS (EF008525)
No
Input, voltage (EF003205)
No
Input, thermocouple (EF003208)
Yes
Supporting protocol for EtherCAT (EF017564)
Yes
Analogue inputs configurable (EF008518)
Yes
Appendant operation agent (Ex ib) (EF004142)
No
Input, current (EF003204)
No
Supporting protocol for other bus systems (EF003062)
Yes
Anal...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / NX-TS3102 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.